

In the Claims:

1. (currently amended) A film-like, active substance-containing preparation for application in the oral cavity or for transmucosal application, wherein said preparation has a maximum peroxide number of 40 and wherein said preparation contains at least one antioxidant, said at least one antioxidant selected being from the group consisting of sodium sulfite, sodium disulfite, sodium metabisulfite, thioglycerol, thioglycol acid, propyl gallate, octyl gallate, butylhydroxyanisol and butylhydroxytoluene.
2. (previously presented) The preparation according to claim 1, wherein said preparation has a maximum peroxide number of 15.
3. (canceled)
4. (canceled)
5. (currently amended) The preparation according to claim [[4]] 1, wherein the concentration of the at least one antioxidant is 0.001 to 5%-wt.
6. (previously presented) The preparation according to claim 1, wherein said preparation comprises a mono-layered or multi-layered polymer matrix, with at least one layer having an active substance content.
7. (previously presented) The preparation according to claim 6, wherein the matrix contains at least one polymer selected from the group consisting of cellulose ether, cellulose acetate, polyvinyl alcohols, polyvinyl acetate, polyvinyl pyrrolidone, polyethylene oxide polymers, polyurethane, polyacrylic acid, polyacrylates, polymethacrylates, alginates, pectins, gelatine, starch and natural rubbers.
8. (previously presented) The preparation according to claim 6, wherein the matrix

contains at least one polymer selected from the group consisting of hydrophile, water-soluble polymers and polymers degradable in an aqueous media.

9. (previously presented) The preparation according to claim 1, wherein said preparation has at least one layer or at least one surface, and said at least one layer or at least one surface of the preparation has mucoadhesive properties.

10. (previously presented) The preparation according to claim 1, wherein said preparation contains at least one additive selected from the group consisting of plasticizers, dyes and pigments, degradation enhancers, wetting agents, absorption- or permeation-enhancing substances, pH regulators, fillers, flavouring and aromatic substances and sweeteners.

11. (previously presented) The preparation according to claim 1, wherein said preparation contains at least one active substance being susceptible to attack by peroxide radicals due to the chemical structure of said at least one active substance.

12. (previously presented) Use of a preparation according to claim 1 for transmucosal administration of medicinal active substances by application in the oral cavity.

13. (withdrawn) Use of a preparation according to claim 1 as an oral administration form for releasing active substances in the gastrointestinal tract.

14. (previously presented) Use of a preparation according to claim 1 for releasing flavouring or aromatic substances in the oral cavity.

15. (withdrawn – currently amended) A process for the production of a film-like active substance-containing preparation for application in the oral cavity or for transmucosal application, comprising the steps of:

Determining the peroxide number of every formulation

component provided for making the preparation of a film-like, active substance-containing preparation for application in the oral cavity or for transmucosal applications wherein the preparation has a maximum peroxide number of 40;

selecting the formulation components wherein the maximum sum of the peroxide numbers of the individual formulation components is 40, with the peroxide number of each formulation component being weighted according to the percentage of these components in the preparation;

preparing a solution, dispersion or melt containing the selected formulation components and at least one active substance to be released; coating the solution, dispersion or melt onto an inert support using doctor-knife application, roll application, spraying or extrusion methods; and drying or cooling said preparation to form a film layer.

16. (withdrawn) The process according to claim 15, wherein the maximum sum of the peroxide number is 15.

17. (withdrawn) The process according to claim 15, and further comprising the step of subjecting at least one formulation component to a treatment with at least one reducing agent for reducing the peroxide content.

18. (withdrawn) The process according to claim 17, and further comprising the step of adding an aqueous solution of an inorganic sulfite salt or hydrogen sulfite salt to the formulation component in an alcoholic solution.

19. (previously presented) The preparation according to claim 2, wherein said preparation has a maximum peroxide number of 5.

20. (previously presented) The preparation according to claim 5, wherein the concentration of the at least one antioxidant is 0.01 to 3%-wt.

21. (previously presented) The preparation according to claim 7, wherein said cellulose ether is at least one selected from the group consisting of ethyl cellulose, propyl cellulose, carboxymethyl cellulose (CMC), hydroxypropyl cellulose (HPC) and hydroxypropylmethyl cellulose (HPMC).

22. (previously presented) The preparation according to claim 8, wherein said at least one polymer is selected from the group consisting of cellulose derivatives, polyvinyl alcohol, polyvinyl acetate, polyvinylpyrrolidone, polyacrylates, water-soluble polysaccharides and proteins.

23. (previously presented) The preparation according to claim 22, wherein said cellulose derivatives are selected from the group consisting of hydroxypropylmethyl cellulose, carboxymethyl cellulose, hydroxypropyl cellulose and methyl cellulose.

24. (previously presented) The preparation according to claim 22, wherein said water-soluble polysaccharides are selected from the group consisting of pullulan, xanthan, alginates, dextrane and pectins.

25. (previously presented) The preparation according to claim 22, wherein said proteins are gel-forming proteins.

26. (previously presented) The preparation according to claim 25, wherein said gel-forming proteins are gelatine.

27. (withdrawn) The process according to claim 16, wherein the maximum sum of the peroxide number is 5.

28. (withdrawn) The process according to claim 18, wherein said inorganic sulfite salt or hydrogen sulfite salt is selected from the group consisting of sodium sulfite and sodium hydrogen sulfite.

29. (withdrawn) The process according to claim 18, wherein said alcoholic solution is selected from the group consisting of a methanolic solution and an ethanolic solution.